

AS81659/68

FEDERAL SUPPLY CLASS
5935

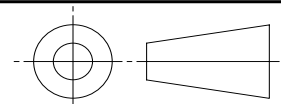
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THIRD ANGLE PROJECTION



ISSUED 2004-05

CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: MIL-C-81659

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONNECTORS, ELECTRICAL, RECTANGULAR, RECEPTACLE,
CRIMP CONTACTS, (SINGLE INSERT, TYPE IV, CLASS 1,
(-65°C TO +125°C), SERIES 2, SHELL DESIGNATOR A,
FLOAT MOUNTING)

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SHEET 1 OF 4

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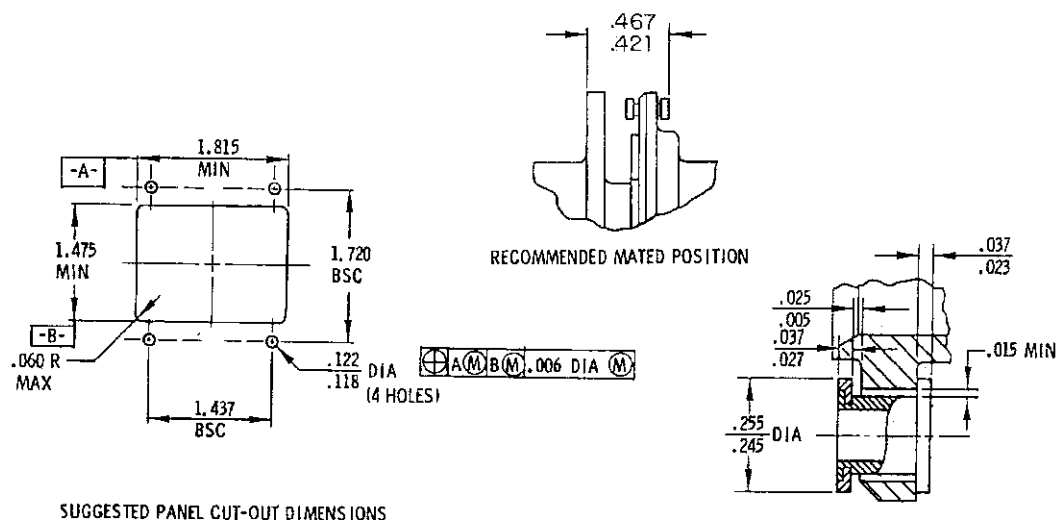
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FOR CONNECTOR DRAWING SEE PAGE 2.



INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.005	.13	.050	1.27	.198	5.03	.948	24.08	1.475	37.46
.006	.15	.055	1.40	.245	6.22	1.000	25.40	1.720	43.69
.015	.38	.060	1.52	.255	6.48	1.326	33.68	1.725	43.82
.023	.58	.065	1.65	.421	10.69	1.367	34.72	1.765	44.83
.025	.64	.117	2.97	.467	11.86	1.387	35.23	1.815	46.10
.027	.69	.118	3.00	.521	13.23	1.425	36.20	1.985	50.42
.037	.94	.122	3.10	.541	13.74	1.427	36.25	1.997	50.72
.040	1.02	.133	3.38	.570	14.48	1.437	36.50	2.015	51.18
.047	1.19	.178	4.52	.7185	18.25	1.447	36.75	2.027	51.49
				.928	23.57			2.250	57.15

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
3. DIMENSIONS APPLY AFTER PLATING.
4. NORMAL (01) POLARIZATION POSITION SHOWN. FOR ALTERNATE POSITIONS SEE MIL-C-81659.
5. FOR LOCATION OF DATUMS G AND H REFER TO MIL-C-81659, FIGURE 5.
6. THIS CONNECTOR DOES NOT HAVE A WIRE SEALING GROMMET.

REQUIREMENTS:

INSERT ARRANGEMENTS SHALL BE IN ACCORDANCE WITH MS3157.

CONTACTS SHALL BE IN ACCORDANCE WITH MIL-C-39029/11 OR MIL-C-39029/12 AS APPLICABLE.

INSTALLING AND REMOVAL TOOLS SHALL BE IN ACCORDANCE WITH MS3156 OR MS3447.